

<b>INFORMATION DISCLOSURE CITATION</b>  PTO-1449				ATTY. DOCKET NO. 16904-727	APPLICATION NO. 09/003,098	
				TITLE METHOD AND APPARATUS FOR CONTROLLED CONTRACTION OF COLLAGEN TISSUE		
				APPLICANT Edward W. Knowlton		
				FILING DATE January 6, 1998	JUN GROUP 3731	RECEIVED 5 1998
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>Jm</i>	RE 32,849	1/89	Wei, et al.	204	192.27	6/2/85
<i>Jm</i>	3,831,604	8/74	Neefe	128	200	9/19/73
<i>Jm</i>	4,074,718	01/11/78	Morrison	128	303.14	3/17/76
<i>Jm</i>	4,140,130	2/79	Storm, III	128	404	5/31/77
<i>Jm</i>	4,164,226	8/79	Tapper	128	419 R	6/13/77
<i>Jm</i>	4,290,435	09/08/81	Waggott	128	800	9/7/78
<i>Jm</i>	4,343,301	8/82	Indech	128	24	10/4/79
<i>Jm</i>	4,346,715	8/82	Gammell	128	422	5/13/80
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes
<i>Jm</i>	96/34568	11/96	PCT			
<i>Jm</i>	92/19414	11/92	PCT			
<i>Jm</i>	0 519 415	12/92	Europe			
<i>Jm</i>	31 21 683	12/82	Germany			X
<i>Jm</i>	1 949 534	4/70	Germany			X
<i>Jm</i>	2 609 245	7/88	France			X
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
<i>Jm</i>	Allain, et al. "Isometric Tensions Developed During the Hydrothermal Swelling of Rat Skin", Connective Tissue Research, vol 7, pp. 697-701, (1990).					
<i>Jm</i>	Danielson, C. "Age-Related thermal stability and susceptibility to proteolysis of rat bone collagen", ...chem, Great Britain, pp. 697-701, (1990).					
<i>Jm</i>	Danielson, C. "Thermal stability of reconstituted collagen fibrils, shrinkage characteristics upon in vitro maturation", Mechanisms of Ageing and Development, Vol 15, pp. 269-278, (1981).					
<i>Jm</i>	Kronick, et al. "The locations of collagens with different thermal stabilities in fibrils of bovine reticular dermis". Connective Tissue Research, Vol. 18, pp. 123-134, (1988).					
<i>Jm</i>	Mainster, M.A. "Ophthalmic applications of infrared lasers - thermal considerations", Visual Sci., pp. 414-420, April 1979.					
<i>Jm</i>	Pearce, et al. "Kinetic models of laser-tissue fusion processes", ISA, paper #93-044, pp. 355-360, (1993)..					
EXAMINER	DATE CONSIDERED <i>shay</i> August 27, 1999					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
dw	4,375,220	03/05/83	Matvias	128	804	5/9/80
dw	4,381,007	4/83	Doss	128	303.1	4/30/81
dw	4,441,486	4/84	Pounds	128	24	10/27/81
dw	4,545,368	10/85	Rand, et al.	128	1.3	4/13/83
dw	4,676,258	6/87	Inokuchi, et al.	128	804	6/5/86
dw	4,709,701	12/87	Weber	128	422	4/14/86
dw	4,881,543	11/89	Trembly, et al.	128	303.1	6/28/88
dw	4,887,614	12/89	Shirakami, et al.	128	798	4/18/89
dw	4,889,122	12/89	Watmough et al.	128	399	4/11/88
dw	4,944,302	7/90	Hernandez et al.	128	798	4/18/89

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

dw	Adrian, R. M. "Treatment of Facial Telangiectasia Using the VersaPulse® Variable Pulse Width Frequency Doubled Neodymium:YAG Laser: A Case Report."
dw	Chess, C.; Chess, Q. "Cool Laser Optics Treatment of Large Telangiectasia of the Lower Extremities." <i>J. Dermatol Surg Oncol.</i> 1993; 19:74-80.
dw	Coulson, W. F. et al. "Nonablative Laser Treatment of Facial Rhytides: Animal Study." Abstract for BiOS '98 Symposium Conference: bo05 - Cutaneous Applications of Lasers, 24-30 January 1998, San Jose, CA.
dw	Kincade, K. "Demand for Laser Resurfacing Soars: Quicker Healing, Less Risk of Scarring" <i>Dermatology Times</i> . 1995. 16(10)
dw	Fitzpatrick, R. "Treatment of Wrinkles with the UltraPulse CO <sub>2</sub> Laser."
dw	Laser Aesthetics, Inc. "The Cool Touch Laser." Brochure.
dw	Laser Aesthetics, Inc. "Cool Touch Model 130 Technical Specifications." Brochure.
dw	National Health Communications, Inc. "New Laser Eliminates 'Lipstick Bleed'" Press Release July 1993.

EXAMINER	DATE CONSIDERED
<i>dw/sj</i>	<i>August 26, 1999</i>

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**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JW	4,957,480	9/90	Morenings	604	20	2/2/88
JW	4,962,761	10/90	Golden	128	400	5/4/89
JW	4,976,709	10/90	Sand	606	5	6/30/89
JW	5,003,991	4/91	Takayama, et al.	128	784	3/24/88
JW	5,133,351	7/92	Masaki	128	419 R	3/14/90
JW	5,143,063	9/92	Fellner	428	399	2/9/88
JW	5,186,181	2/93	Franconi, et al.	128	804	7/27/90
JW	5,190,517	3/93	Zieve, et al.	604	22	6/6/91
JW	5,230,334	7/93	Klopotek	128	399	1/22/92
JW	5,249,575	10/93	DiMino, et al.	607	150	10/21/91
JW	5,282,797	2/94	Chess	606	9	5/28/91
JW	5,304,169	4/94	Sand	606	5	8/17/92
JW	5,315,994	5/94	Guibert, et al.	607	101	3/5/93
JW	5,334,193	8/94	Nardella	606	41	11/13/92
JW	5,342,357	8/94	Nardella	606	40	11/13/92
JW	5,348,554	9/94	Imran, et al.	606	41	12/1/92
JW	5,370,642	12/94	Keller	606	9	8/2/93
JW	5,374,265	12/94	Sand	606	5	8/6/92

**FOREIGN PATENT DOCUMENTS**

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						Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER	DATE CONSIDERED
<i>David Shay</i>	<i>August 27, 1999</i>

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# INFORMATION DISCLOSURE CITATION



WPTO-1449

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<p><b>TITLE</b></p> <p>METHOD AND APPARATUS FOR CONTROLLED CONTRACTION OF COLLAGEN TISSUE</p>	
<p><b>APPLICANT</b></p> <p>Edward W. Knowlton</p>	
FILING DATE January 6, 1998	GROUP 3731

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JW	5,366,443	11/94	Eggers, et al.			
JW	5,697,909	12/97	Eggers, et. al.			
JW	5,697,882	12/97	Eggers, et al.			
JW	5,697,536	12/97	Eggers, et al.			JW
JW	5,697,281	12/97	Eggers, et al.			GPO 10/5200
JW	5,693,045	12/97	Eggers			5/14/98
JW	5,692,058	11/97	Eggers, et al.			
JW	5,683,366	11/97	Eggers, et al.			
JW	5,681,282	10/97	Eggers, et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes No
JW	266678	10/97	New Zealand			
JW	98/03220	1/98	PCT			
JW	68/03117	1/98	PCT			
JW	97/18768	5/97	PCT			
JW	97/18765	5/97	PCT			
JW	96/39914	12/96	PCT			
JW	96/32051	10/96	PCT			
JW	96/27327	9/96	PCT			
JW	96/27240	9/96	PCT			
JW	94/26228	11/94	PCT			
JW	93/13816	7/93	PCT			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER	DATE CONSIDERED
<i>[Signature]</i>	<i>August 27, 1999</i>

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